Appl. No. 10/068,587 Amdt. dated May 3, 2004 Reply to Office Action of March 5, 2004

## Amendments to the claims:

The listing of claims will replace all prior versions and listings of claims to the application:

Claim 1-twice amended

Claim 2-previously cancelled

Claims 3-5-twice amended

Claim 6-previously amended

Claim 7-twice amended

Claim 8-previously amended

Claims 9-10-twice amended

Claims 11-12-twice amended

1. (twice amended) An apparatus for treatment of <u>a</u> flat <u>surface</u> surfaces, the apparatus comprising a support assembly <u>having four corners</u> for supporting a treatment tool, <u>which is to be applied said treatment tool being capable of application</u> to a flat surface <u>having four corners outside the treatment tool</u>, wherein said support assembly is designed to be brought in contact with said flat surface and operable for step-by-step reciprocating movement along said flat surface, wherein said support assembly comprises:

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- a. A first unit and a second unit that float relative to each other, and <u>are above</u>

  <u>said each have flat surface surfaces</u>, which units carry <u>said first unit or second</u>

  <u>unit carrying</u> a treatment tool<sub>7</sub> positioned with appropriate friction on said flat

  surface to be <u>treated with said printing tool printed on</u>;
- b. A spring system connected to each unit for holding Spring system loaded to hold the units as close to each other as possible;
- c. Two parallel axles Axles with four identical cams at each corner of said support assembly, each cam the cams being capable of creating vertical or horizontal motion of said first and second units having a vertical leg therein which contacts said flat surfaces of each of said first and second units, such that horizontal and vertical relative motions are capable of being created; and
- d. An electromechanical Electromechanical mechanism, which is commanded from the outside of the apparatus, which provides said electromechanical mechanism providing rotational, synchronized motion to a system of said parallel axles,

wherein the movement of the support assembly is a sequence of discrete steps, each one comprised of following stages: said first unit being raised relative to said second unit, moving a full step forward and lowering back to said flat surface; said second unit being raised relative to said first unit; and thereby moving a full step forward and lowering back to said flat surface; and, after said discrete steps, treatment printing is capable of activation when both units are on said flat surface.

## 2 (cancelled)

3. (twice amended-renumbered) The apparatus according to claim 1, wherein 30 said treatment tool is a surface treating tool, selected from the group consisting of a printing tool, a scanner, pantograph, and cutter, a laser or an engraver.

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- 4. (twice amended-renumbered) The apparatus A support assembly according to Claim 1, wherein the spring system is a single spring composed of two springs to keep said first and second units longitudinally close and a spring to maintain lateral direction contact.
- 5. (twice amended-renumbered) The apparatus according to claim 1, wherein said first and second units are are positioned to slide one on the other by tracks such that horizontal movement and vertical movement are created by changing the length of said legs.

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- 6. (previously amended-renumbered) The apparatus according to claim 5
  6, wherein the legs length can be regulated to handle a surface of non-uniform height.
- 7. (twice amended-renumbered) The apparatus according to claim 1, wherein the the height of said treatment tool above said flat surface can be regulated.
- 8. (previously amended-renumbered) The apparatus according to claim 1, wherein said axles are capable of reversing directions.
- 9. (twice amended-renumbered) The apparatus according to claim 1, wherein said treatment tool is has another support assembly, thereby permitting a two-axes operation.
- 10. (twice amended-renumbered) A method for treatment of <u>a</u> flat <u>surface</u> surfaces with the apparatus claimed in claim 1, <u>wherein said treatment tool is mounted</u> onto said support assembly, said method comprising the steps of:
  - a. Mounting a treatment tool onto a <u>said</u> support assembly, wherein said treatment tool is to be applied to said flat surface supported outside the treatment tool;
  - b. a. Placing said support assembly onto said flat surface and treating said flat surface with said treatment tool; and
  - e. b. Driving said support assembly for step-by-step reciprocating movement thereof along said flat surface.
- 11. (previously amended-renumbered) The apparatus according to claim 1, wherein said support assembly is capable of moving on said flat surface and is of any size with respect to said flat surface.
- 12 (previously added) The apparatus according to claim 3, wherein said treatment tool is a printing tool.